

Correct the positioning of numbers 1,2,3 and 7, and add numbers 27 and 28 to figure 5, View from edge.

In the Brief Description of the Drawings

Amend line 2 to add "thin, flexible".

Amend the second paragraph to add "with", delete: "mounted via", add: "attached to the back surface of the sensing element, thereby mounting it", and "of a vessel", add: "attached to its back surface", add "On the edge view to the right in figure 5, a spacer, 28, is attached to the front surface of the sensing element, and a shield, 27, is attached to the spacer."

Amend the fifth paragraph to add "fully" before embedded.

Amend the ninth paragraph to delete "spaces", and add: "gaps, (such as openings or depressions)".

In the Detailed Description of the Invention

Add a second paragraph: " Prior Art capacitive fluid level sensors that sense a fluid through the thickness of a dielectric material, obtain their ability to do so through minimizing the thickness of the dielectric material, or through the use of additional conductors placed between adjacent conductors of the sensing element. Contrary to capacitive sensors of Prior Art, the present invention obtains this ability through the spacing of the conductors and the ratio of the spacing to the average width of the individual conductors. These spacing and widths are defined with respect to the thickness of the dielectric wall between the sensing conductors and the fluid."

In the next paragraph, add: "but before adding a spacer and shield". Add: "a spacer, 28, and shield, 27. The spacer is formed of a low permittivity material such as a foamed plastic. The shield is formed of an electrically conductive material, such as a thin brass sheet". Add: "so that spacer 28 is formed of a part of the dielectric wall".

At the end of the paragraph that is paragraph five, as amended, add: "Such greater spacing may be desirable, however, to minimize the effects of the dielectric material, at the expense of measurement nonlinearity."

In the detailed description of figure 8 on page 12, replace "Spacing 15" with "Spacing 16".

In the last paragraph, add; "as shown in the edge view of figure 5" and: "An alternative configuration to that of figure 5 is shown in figure 15, in which shield 27 is an electrical